-14463 AAGCTTTTTA GTGCTTTAGA CAGTGAGCTG GTCTGTCTAA CCCAAGTGAC CTGGGCTCCA
-14403 TACTCAGCCC CAGAAGTGAA GGGTGAAGCT GGGTGGAGCC AAACCAGGCA AGCCTACCCT
-14343 CAGGGCTCCC AGTGGCCTGA GAACCATTGG ACCCAGGACC CATTACTTCT AGGGTAAGGA
-14283 AGGTACAAAC ACCAGATCCA ACCATGGTCT GGGGGGACAG CTGTCAAATG CCTAAAAATA
-14223 TACCTGGGAG AGGAGCAGGC AAACTATCAC TGCCCCAGGT TCTCTGAACA GAAACAGAGG
-14163 GGCAACCCAA AGTCCAAATC CAGGTGAGCA GGTGCACCAA ATGCCCAGAG ATATGACGAG
-14103 GCAAGAAGTG AAGGAACCAC CCCTGCATCA AATGTTTTGC ATGGGAAGGA GAAGGGGGTT
-14043 GCTCATGTTC CCAATCCAGG AGAATGCATT TGGGATCTGC CTTCTTCTCA CTCCTTGGTT
-13983 AGCAAGACTA AGCAACCAGG ACTCTGGATT TGGGGAAAGA CGTTTATTTG TGGAGGCCAG
-13923 TGATGACAAT CCCACGAGGG CCTAGGTGAA GAGGGCAGGA AGGCTCGAGA CACTGGGGAC
-13863 TGAGTGAAAA CCACACCCAT GATCTGCACC ACCCATGGAT GCTCCTTCAT TGCTCACCTT
-13803 TCTGTTGATA TCAGATGGCC CCATTTTCTG TACCTTCACA GAAGGACACA GGCTAGGGTC
-13743 TGTGCATGGC CTTCATCCCC GGGGCCATGT GAGGACAGCA GGTGGGAAAG ATCATGGGTC
-13683 CTCCTGGGTC CTGCAGGGCC AGAACATTCA TCACCCATAC TGACCTCCTA GATGGGAATG
-13623 GCTTCCCTGG GGCTGGGCCA ACGGGGCCTG GGCAGGGGAG AAAGGACGTC AGGGGACAGG
-13563 GAGGAAGGGT CATCGAGACC CAGCCTGGAA GGTTCTTGTC TCTGACCATC CAGGATTTAC
-13503 TTCCCTGCAT CTACCTTTGG TCATTTTCCC TCAGCAATGA CCAGCTCTGC TTCCTGATCT
-13443 CAGCCTCCCA CCCTGGACAC AGCACCCCAG TCCCTGGCCC GGCTGCATCC ACCCAATACC
-13383 CTGATAACCC AGGACCCATT ACTTCTAGGG TAAGGAGGGT CCAGGAGACA GAAGCTGAGG
-13323 AAAGGTCTGA AGAAGTCACA TCTGTCCTGG CCAGAGGGGA AAAACCATCA GATGCTGAAC
-13263 CAGGAGAATG TTGACCCAGG AAAGGGACCG AGGACCCAAG AAAGGAGTCA GACCACCAGG
-13203 GTTTGCCTGA GAGGAAGGAT CAAGGCCCCG AGGGAAAGCA GGGCTGGCTG CATGTGCAGG
-13143 ACACTGGTGG GGCATATGTG TCTTAGATTC TCCCTGAATT CAGTGTCCCT GCCATGGCCA
-13083 GACTCTCTAC TCAGGCCTGG ACATGCTGAA ATAGGACAAT GGCCTTGTCC TCTCTCCCCA
-13023 CCATTTGGCA AGAGACATAA AGGACATTCC AGGACATGCC TTCCTGGGAG GTCCAGGTTC
-12963 TCTGTCTCAC ACCTCAGGGA CTGTAGTTAC TGCATCAGCC ATGGTAGGTG CTGATCTCAC
-12903 CCAGCCTGTC CAGGCCCTTC CACTCTCCAC TTTGTGACCA TGTCCAGGAC CACCCCTCAG
-12843 ATCCTGAGCC TGCAAATACC CCCTTGCTGG GTGGGTGGAT TCAGTAAACA GTGAGCTCCT

Fig. 2A

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-12783  ATCCAGCCCC CAGAGCCACC TCTGTCACCT TCCTGCTGGG CATCATCCCA CCTTCACAAG
-12723  CACTAAAGAG CATGGGGAGA CCTGGCTAGC TGGGTTTCTG CATCACAAAG AAAATAATCC
-12663  CCCAGGTTCG GATTCCCAGG GCTCTGTATG TGGAGCTGAC AGACCTGAGG CCAGGAGATA
-12603  GCAGAGGTCA GCCCTAGGGA GGGTGGGTCA TCCACCCAGG GGACAGGGGT GCACCAGCCT
-12543  TGCTACTGAA AGGGCCTCCC CAGGACAGCG CCATCAGCCC TGCCTGAGAG CTTTGCTAAA
-12483  CAGCAGTCAG AGGAGGCCAT GGCAGTGGCT GAGCTCCTGC TCCAGGCCCC AACAGACCAG
-12423  ACCAACAGCA CAATGCAGTC CTTCCCCAAC GTCACAGGTC ACCAAAGGGA AACTGAGGTG
-12363  CTACCTAACC TTAGAGCCAT CAGGGGAGAT AACAGCCCAA TTTCCCAAAC AGGCCAGTTT
-12303  CAATCCCATG ACAATGACCT CTCTGCTCTC ATTCTTCCCA AAATAGGACG CTGATTCTCC
-12243  CCCACCATGG ATTTCTCCCT TGTCCCGGGA GCCTTTTCTG CCCCCTATGA TCTGGGCACT
-12183  CCTGACACAC ACCTCCTCTC TGGTGACATA TCAGGGTCCC TCACTGTCAA GCAGTCCAGA
-12123  AAGGACAGAA CCTTGGACAG CGCCCATCTC AGCTTCACCC TTCCTCCTTC ACAGGGTTCA
-12063  GGGCAAAGAA TAAATGGCAG AGGCCAGTGA GCCCAGAGAT GGTGACAGGC AGTGACCCAG
-12003  GGGCAGATGC CTGGAGCAGG AGCTGGCGGG GCCACAGGGA GAAGGTGATG CAGGAAGGGA
-11943  AACCCAGAAA TGGGCAGGAA AGGAGGACAC AGGCTCTGTG GGGCTGCAGC CCAGGGTTGG
-11883  ACTATGAGTG TGAAGCCATC TCAGCAAGTA AGGCCAGGTC CCATGAACAA GAGTGGGAGC
-11823  ACGTGGCTTC CTGCTCTGTA TATGGGGTGG GGGATTCCAT GCCCCATAGA ACCAGATGGC
-11763  CGGGGTTCAG ATGGAGAAGG AGCAGGACAG GGGATCCCCA GGATAGGAGG ACCCCAGTGT
-11703  CCCCACCCAG GCAGGTGACT GATGAATGGG CATGCAGGGT CCTCCTGGGC TGGGCTCTCC
-11643  CTTTGTCCCT CAGGATTCCT TGAAGGAACA TCCGGAAGCC GACCACATCT ACCTGGTGGG
-11583  TTCTGGGGAG TCCATGTAAA GCCAGGAGCT TGTGTTGCTA GGAGGGGTCA TGGCATGTGC
-11523  TGGGGGCACC AAAGAGAGAA ACCTGAGGGC AGGCAGGACC TGGTCTGAGG AGGCATGGGA
-11463  GCCCAGATGG GGAGATGGAT GTCAGGAAAG GCTGCCCCAT CAGGGAGGGT GATAGCAATG
-11403  GGGGGTCTGT GGGAGTGGGC ACGTGGGATT CCCTGGGCTC TGCCAAGTTC CCTCCCATAG
-11343  TCACAACCTG GGGACACTGC CCATGAAGGG GCGCCTTTGC CCAGCCAGAT GCTGCTGGTT
-11283  CTGCCCATCC ACTACCCTCT CTGCTCCAGC CACTCTGGGT CTTTCTCCAG ATGCCCTGGA
-11223  CAGCCCTGGC CTGGGCCTGT CCCCTGAGAG GTGTTGGGAG AAGCTGAGTC TCTGGGGACA
-11163  CTCTCATCAG AGTCTGAAAG GCACATCAGG AAACATCCCT GGTCTCCAGG ACTAGGCAAT
```

Fig. 2B

-11103 GAGGAAAGGG CCCCAGCTCC TCCCTTTGCC ACTGAGAGGG TCGACCCTGG GTGGCCACAG
-11043 TGACTTCTGC GTCTGTCCCA GTCACCCTGA AACCACAACA AAACCCCAGC CCCAGACCCT
-10983 GCAGGTACAA TACATGTGGG GACAGTCTGT ACCCAGGGGA AGCCAGTTCT CTCTTCCTAG
-10923 GAGACCGGGC CTCAGGGCTG TGCCCGGGGC AGGCGGGGGC AGCACGTGCC TGTCCTTGAG
-10863 AACTCGGGAC CTTAAGGGTC TCTGCTCTGT GAGGCACAGC AAGGATCCTT CTGTCCAGAG
-10803 ATGAAAGCAG CTCCTGCCCC TCCTCTGACC TCTTCCTCCT TCCCAAATCT CAACCAACAA
-10743 ATAGGTGTTT CAAATCTCAT CATCAAATCT TCATCCATCC ACATGAGAAA GCTTAAAACC
-10683 CAATGGATTG ACAACATCAA GAGTTGGAAC AAGTGGACAT GGAGATGTTA CTTGTGGAAA
-10623 TTTAGATGTG TTCAGCTATC GGGCAGGAGA ATCTGTGTCA AATTCCAGCA TGGTTCAGAA
-10563 GAATCAAAAA GTGTCACAGT CCAAATGTGC AACAGTGCAG GGGATAAAAC TGTGGTGCAT
-10503 TCAAACTGAG GGATATTTTG GAACATGAGA AAGGAAGGGA TTGCTGCTGC ACAGAACATG
-10443 GATGATCTCA CACATAGAGT TGAAAGAAAG GAGTCAATCG CAGAATAGAA AATGATCACT
-10383 AATTCCACCT CTATAAAGTT TCCAAGAGGA AAACCCAATT CTGCTGCTAG AGATCAGAAT
-10323 GGAGGTGACC TGTGCCTTGC AATGGCTGTG AGGGTCACGG GAGTGTCACT TAGTGCAGGC
-10263 AATGTGCCGT ATCTTAATCT GGGCAGGGCT TTCATGAGCA CATAGGAATG CAGACATTAC
-10203 TGCTGTGTTC ATTTTACTTC ACCGGAAAAG AAGAATAAAA TCAGCCGGGC GCGGTGGCTC
-10143 ACGCCTGTAA TCCCAGCACT TTAGAAGGCT GAGGTGGGCA GATTACTTGA GGTCAGGAGT
-10083 TCAAGACCAC CCTGGCCAAT ATGGTGAAAC CCCGGCTCTA CTAAAAATAC AAAAATTAGC
-10023 TGGGCATGGT GGTGCGCGCC TGTAATCCCA GCTACTCGGG AGGCTGAGGC TGGACAATTG
-9963 CTTGGACCCA GGAAGCAGAG GTTGCAGTGA GCCAAGATTG TGCCACTGCA CTCCAGCTTG
-9903 GGCAACAGAG CCAGACTCTG TAAAAAAAAA AAAAAAAAAA AAAAAAAGAA AGAAAGAAAA
-9843 AGAAAAGAAA GTATAAAATC TCTTTGGGTT AACAAAAAAA GATCCACAAA ACAAACACCA
-9783 GCTCTTATCA AACTTACACA ACTCTGCCAG AGAACAGGAA ACACAAATAC TCATTAACTC
-9723 ACTTTTGTGG CAATAAAACC TTCATGTCAA AAGGAGACCA GGACACAATG AGGAAGTAAA
-9663 ACTGCAGGCC CTACTTGGGT GCAGAGAGGG AAAATCCACA AATAAAACAT TACCAGAAGG
-9603 AGCTAAGATT TACTGCATTG AGTTCATTCC CCAGGTATGC AAGGTGATTT TAACACCTGA
-9543 AAATCAATCA TTGCCTTTAC TACATAGACA GATTAGCTAG AAAAAAATTA CAACTAGCAG
-9483 AACAGAAGCA ATTTGGCCTT CCTAAAATTC CACATCATAT CATCATGATG GAGACAGTGC

Fig. 2C

-9423 AGACGCCAAT GACAATAAAA AGAGGGACCT CCGTCACCCG GTAAACATGT CCACACAGCT
-9363 CCAGCAAGCA CCCGTCTTCC CAGTGAATCA CTGTAACCTC CCCTTTAATC AGCCCCAGGC
-9303 AAGGCTGCCT GCGATGGCCA CACAGGCTCC AACCCGTGGG CCTCAACCTC CCGCAGAGGC
-9243 TCTCCTTTGG CCACCCCATG GGGAGAGCAT GAGGACAGGG CAGAGCCCTC TGATGCCCAC
-9183 ACATGGCAGG AGCTGACGCC AGAGCCATGG GGGCTGGAGA GCAGAGCTGC TGGGGTCAGA
-9123 GCTTCCTGAG GACACCCAGG CCTAAGGGAA GGCAGCTCCC TGGATGGGGG CAACCAGGCT
-9063 CCGGGCTCCA ACCTCAGAGC CCGCATGGGA GGAGCCAGCA CTCTAGGCCT TTCCTAGGGT
-9003 GACTCTGAGG GGACCCTGAC ACGACAGGAT CGCTGAATGC ACCCGAGATG AAGGGGCCAC
-8943 CACGGGACCC TGCTCTCGTG GCAGATCAGG AGAGAGTGGG ACACCATGCC AGGCCCCCAT
-8883 GGCATGGCTG CGACTGACCC AGGCCACTCC CCTGCATGCA TCAGCCTCGG TAAGTCACAT
-8823 GACCAAGCCC AGGACCAATG TGGAAGGAAG GAAACAGCAT CCCCTTTAGT GATGGAACCC
-8763 AAGGTCAGTG CAAAGAGAGG CCATGAGCAG TTAGGAAGGG TGGTCCAACC TACAGCACAA
-8703 ACCATCATCT ATCATAAGTA GAAGCCCTGC TCCATGACCC CTGCATTTAA ATAAACGTTT
-8643 GTTAAATGAG TCAAATTCCC TCACCATGAG AGCTCACCTG TGTGTAGGCC CATCACACAC
-8583 ACAAACACAC ACACACACAC ACACACACAC ACACACACAC ACAGGGAAAG TGCAGGATCC
-8523 TGGACAGCAC CAGGCAGGCT TCACAGGCAG AGCAAACAGC GTGAATGACC CATGCAGTGC
-8463 CCTGGGCCCC ATCAGCTCAG AGACCCTGTG AGGGCTGAGA TGGGGCTAGG CAGGGGAGAG
-8403 ACTTAGAGAG GGTGGGGCCT CCAGGGAGGG GGCTGCAGGG AGCTGGGTAC TGCCCTCCAG
-8343 GGAGGGGGCT GCAGGGAGCT GGGTACTGCC CTCCAGGGAG GGGGCTGCAG GGAGCTGGGT
-8283 ACTGCCCTCC AGGGAGGGGG CTGCAGGGAG CTGGGTACTG CCCTCCAGGG AGGGGGCTGC
-8223 AGGGAGCTGG GTACTGCCCT CCAGGGAGGC AGGAGCACTG TTCCCAACAG AGAGCACATC
-8163 TTCCTGCAGC AGCTGCACAG ACACAGGAGC CCCCATGACT GCCCTGGGCC AGGGTGTGGA
-8103 TTCCAAATTT CGTGCCCCAT TGGGTGGGAC GGAGGTTGAC CGTGACATCC AAGGGGCATC
-8043 TGTGATTCCA AACTTAAACT ACTGTGCCTA CAAAATAGGA AATAACCCTA CTTTTTCTAC
-7983 TATCTCAAAT TCCCTAAGCA CAAGCTAGCA CCCTTTAAAT CAGGAAGTTC AGTCACTCCT
-7923 GGGGTCCTCC CATGCCCCCA GTCTGACTTG CAGGTGCACA GGGTGGCTGA CATCTGTCCT
-7863 TGCTCCTCCT CTTGGCTCAA CTGCCGCCCC TCCTGGGGGT GACTGATGGT CAGGACAAGG
-7803 GATCCTAGAG CTGGCCCCAT GATTGACAGG AAGGCAGGAC TTGGCCTCCA TTCTGAAGAC

Fig. 2D

-7743 TAGGGGTGTC AAGAGAGCTG GGCATCCCAC AGAGCTGCAC AAGATGACGC GGACAGAGGG

-7683 TGACACAGGG CTCAGGGCTT CAGACGGGTC GGGAGGCTCA GCTGAGAGTT CAGGGACAGA

-7623 CCTGAGGAGC CTCAGTGGGA AAAGAAGCAC TGAAGTGGGA AGTTCTGGAA TGTTCTGGAC

-7563 AAGCCTGAGT GCTCTAAGGA AATGCTCCCA CCCCGATGTA GCCTGCAGCA CTGGACGGTC

-7503 TGTGTACCTC CCCGCTGCCC ATCCTCTCAC AGCCCCCGCC TCTAGGGACA CAACTCCTGC

-7443 CCTAACATGC ATCTTTCCTG TCTCATTCCA CACAAAAGGG CCTCTGGGGT CCCTGTTCTG

-7383 CATTGCAAGG AGTGGAGGTC ACGTTCCCAC AGACCACCCA GCAACAGGGT CCTATGGAGG

-7323 TGCGGTCAGG AGGATCACAC GTCCCCCCAT GCCCAGGGGA CTGACTCTGG GGGTGATGGA

-7263 TTGGCCTGGA GGCCACTGGT CCCCTCTGTC CCTGAGGGGA ATCTGCACCC TGGAGGCTGC

-7203 CACATCCCTC CTGATTCTTT CAGCTGAGGG CCCTTCTTGA AATCCCAGGG AGGACTCAAC

-7143 CCCCACTGGG AAAGGCCCAG TGTGGACGGT TCCACAGCAG CCCAGCTAAG GCCCTTGGAC

-7083 ACAGATCCTG AGTGAGAGAA CCTTTAGGGA CACAGGTGCA CGGCCATGTC CCCAGTGCCC

-7023 ACACAGAGCA GGGGCATCTG GACCCTGAGT GTGTAGCTCC CGCGACTGAA CCCAGCCCTT

-6963 CCCCAATGAC GTGACCCCTG GGGTGGCTCC AGGTCTCCAG TCCATGCCAC CAAAATCTCC

-6903 AGATTGAGGG TCCTCCCTTG AGTCCCTGAT GCCTGTCCAG GAGCTGCCCC CTGAGCAAAT

-6843 CTAGAGTGCA GAGGGCTGGG ATTGTGGCAG TAAAAGCAGC CACATTTGTC TCAGGAAGGA

-6783 AAGGGAGGAC ATGAGCTCCA GGAAGGGCGA TGGCGTCCTC TAGTGGGCGC CTCCTGTTAA

-6723 TGAGCAAAAA GGGGCCAGGA GAGTTGAGAG ATCAGGGCTG GCCTTGGACT AAGGCTCAGA

-6663 TGGAGAGGAC TGAGGTGCAA AGAGGGGGCT GAAGTAGGGG AGTGGTCGGG AGAGATGGGA

-6603 GGAGCAGGTA AGGGGAAGCC CCAGGGAGGC CGGGGGAGGG TACAGCAGAG CTCTCCACTC

-6543 CTCAGCATTG ACATTTGGGG TGGTCGTGCT AGTGGGGTTC TGTAAGTTGT AGGGTGTTCA

-6483 GCACCATCTG GGGACTCTAC CCACTAAATG CCAGCAGGAC TCCCTCCCCA AGCTCTAACA

-6423 ACCAACAATG TCTCCAGACT TTCCAAATGT CCCCTGGAGA GCAAAATTGC TTCTGGCAGA

-6363 ATCACTGATC TACGTCAGTC TCTAAAAGTG ACTCATCAGC GAAATCCTTC ACCTCTTGGG

-6303 AGAAGAATCA CAAGTGTGAG AGGGGTAGAA ACTGCAGACT TCAAAATCTT TCCAAAAGAG

-6243 TTTTACTTAA TCAGCAGTTT GATGTCCCAG GAGAAGATAC ATTTAGAGTG TTTAGAGTTG

-6183 ATGCCACATG GCTGCCTGTA CCTCACAGCA GGAGCAGAGT GGGTTTTCCA AGGGCCTGTA

-6123 ACCACAACTG GAATGACACT CACTGGGTTA CATTACAAAG TGGAATGTGG GGAATTCTGT

Fig. 2E

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-6063   AGACTTTGGG AAGGGAAATG TATGACGTGA GCCCACAGCC TAAGGCAGTG GACAGTCCAC
-6003   TTTGAGGCTC TCACCATCTA GGAGACATCT CAGCCATGAA CATAGCCACA TCTGTCATTA
-5943   GAAAACATGT TTTATTAAGA GGAAAAATCT AGGCTAGAAG TGCTTTATGC TCTTTTTTCT
-5883   CTTTATGTTC AAATTCATAT ACTTTTAGAT CATTCCTTAA AGAAGAATCT ATCCCCCTAA
-5823   GTAAATGTTA TCACTGACTG GATAGTGTTG GTGTCTCACT CCCAACCCCT GTGTGGTGAC
-5763   AGTGCCCTGC TTCCCCAGCC CTGGGCCCTC TCTGATTCCT GAGAGCTTTG GGTGCTCCTT
-5703   CATTAGGAGG AAGAGAGGAA GGGTGTTTTT AATATTCTCA CCATTCACCC ATCCACCTCT
-5643   TAGACACTGG GAAGAATCAG TTGCCCACTC TTGGATTTGA TCCTCGAATT AATGACCTCT
-5583   ATTTCTGTCC CTTGTCCATT TCAACAATGT GACAGGCCTA AGAGGTGCCT TCTCCATGTG
-5523   ATTTTTGAGG AGAAGGTTCT CAAGATAAGT TTTCTCACAC CTCTTTGAAT TACCTCCACC
-5463   TGTGTCCCCA TCACCATTAC CAGCAGCATT TGGACCCTTT TTCTGTTAGT CAGATGCTTT
-5403   CCACCTCTTG AGGGTGTATA CTGTATGCTC TCTACACAGG AATATGCAGA GGAAATAGAA
-5343   AAAGGGAAAT CGCATTACTA TTCAGAGAGA AGAAGACCTT TATGTGAATG AATGAGAGTC
-5283   TAAAATCCTA AGAGAGCCCA TATAAAATTA TTACCAGTGC TAAAACTACA AAAGTTACAC
-5223   TAACAGTAAA CTAGAATAAT AAAACATGCA TCACAGTTGC TGGTAAAGCT AAATCAGATA
-5163   TTTTTTTCTT AGAAAAAGCA TTCCATGTGT GTTGCAGTGA TGACAGGAGT GCCCTTCAGT
-5103   CAATATGCTG CCTGTAATTT TTGTTCCCTG GCAGAATGTA TTGTCTTTTC TCCCTTTAAA
-5043   TCTTAAATGC AAAACTAAAG GCAGCTCCTG GGCCCCCTCC CCAAAGTCAG CTGCCTGCAA
-4983   CCAGCCCCAC GAAGAGCAGA GGCCTGAGCT TCCCTGGTCA AAATAGGGGG CTAGGGAGCT
-4923   TAACCTTGCT CGATAAAGCT GTGTTCCCAG AATGTCGCTC CTGTTCCCAG GGGCACCAGC
-4863   CTGGAGGGTG GTGAGCCTCA CTGGTGGCCT GATGCTTACC TTGTGCCCTC ACACCAGTGG
-4803   TCACTGGAAC CTTGAACACT TGGCTGTCGC CCGGATCTGC AGATGTCAAG AACTTCTGGA
-4743   AGTCAAATTA CTGCCCACTT CTCCAGGGCA GATACCTGTG AACATCCAAA ACCATGCCAC
-4683   AGAACCCTGC CTGGGGTCTA CAACACATAT GGACTGTGAG CACCAAGTCC AGCCCTGAAT
-4623   CTGTGACCAC CTGCCAAGAT GCCCCTAACT GGGATCCACC AATCACTGCA CATGGCAGGC
-4563   AGCGAGGCTT GGAGGTGCTT CGCCACAAGG CAGCCCCAAT TTGCTGGGAG TTTCTTGGCA
-4503   CCTGGTAGTG GTGAGGAGCC TTGGGACCCT CAGGATTACT CCCCTTAAGC ATAGTGGGGA
-4443   CCCTTCTGCA TCCCCAGCAG GTGCCCCGCT CTTCAGAGCC TCTCTCTCTG AGGTTTACCC
```

Fig. 2F

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-4383  AGACCCCTGC ACCAATGAGA CCATGCTGAA GCCTCAGAGA GAGAGATGGA GCTTTGACCA
-4323  GGAGCCGCTC TTCCTTGAGG GCCAGGGCAG GGAAAGCAGG AGGCAGCACC AGGAGTGGGA
-4263  ACACCAGTGT CTAAGCCCCT GATGAGAACA GGGTGGTCTC TCCCATATGC CCATACCAGG
-4203  CCTGTGAACA GAATCCTCCT TCTGCAGTGA CAATGTCTGA GAGGACGACA TGTTTCCCAG
-4143  CCTAACGTGC AGCCATGCCC ATCTACCCAC TGCCTACTGC AGGACAGCAC CAACCCAGGA
-4083  GCTGGGAAGC TGGGAGAAGA CATGGAATAC CCATGGCTTC TCACCTTCCT CCAGTCCAGT
-4023  GGGCACCATT TATGCCTAGG ACACCCACCT GCCGGCCCCA GGCTCTTAAG AGTTAGGTCA
-3963  CCTAGGTGCC TCTGGGAGGC CGAGGCAGGA GAATTGCTTG AACCCGGGAG GCAGAGGTTG
-3903  CAGTGAGCCG AGATCACACC ACTGCACTCC AGCCTGGGTG ACAGAATGAG ACTCTGTCTC
-3843  AAAAAAAAAG AGAAAGATAG CATCAGTGGC TACCAAGGGC TAGGGGCAGG GGAAGGTGGA
-3783  GAGTTAATGA TTAATAGTAT GAAGTTTCTA TGTGAGATGA TGAAAATGTT CTGGAAAAAA
-3723  AAATATAGTG GTGAGGATGT AGAATATTGT GAATATAATT AACGGCATTT AATTGTACAC
-3663  TTAACATGAT TAATGTGGCA TATTTTATCT TATGTATTTG ACTACATCCA AGAAACACTG
-3603  GGAGAGGGAA AGCCCACCAT GTAAAATACA CCCACCCTAA TCAGATAGTC CTCATTGTAC
-3543  CCAGGTACAG GCCCCTCATG ACCTGCACAG GAATAACTAA GGATTTAAGG ACATGAGGCT
-3483  TCCCAGCCAA CTGCAGGTGC ACAACATAAA TGTATCTGCA AACAGACTGA GAGTAAAGCT
-3423  GGGGGCACAA ACCTCAGCAC TGCCAGGACA CACACCCTTC TCGTGGATTC TGACTTTATC
-3363  TGACCCGGCC CACTGTCCAG ATCTTGTTGT GGGATTGGGA CAAGGGAGGT CATAAAGCCT
-3303  GTCCCCAGGG CACTCTGTGT GAGCACACGA GACCTCCCCA CCCCCCCACC GTTAGGTCTC
-3243  CACACATAGA TCTGACCATT AGGCATTGTG AGGAGGACTC TAGCGCGGGC TCAGGGATCA
-3183  CACCAGAGAA TCAGGTACAG AGAGGAAGAC GGGGCTCGAG GAGCTGATGG ATGACACAGA
-3123  GCAGGGTTCC TGCAGTCCAC AGGTCCAGCT CACCCTGGTG TAGGTGCCCC ATCCCCCTGA
-3063  TCCAGGCATC CCTGACACAG CTCCCTCCCG GAGCCTCCTC CCAGGTGACA CATCAGGGTC
-3003  CCTCACTCAA GCTGTCCAGA GAGGGCAGCA CCTTGGACAG CGCCCACCCC ACTTCACTCT
-2943  TCCTCCCTCA CAGGGCTCAG GGCTCAGGGC TCAAGTCTCA GAACAAATGG CAGAGGCCAG
-2883  TGAGCCCAGA GATGGTGACA GGGCAATGAT CCAGGGGCAG CTGCCTGAAA CGGGAGCAGG
-2823  TGAAGCCACA GATGGGAGAA GATGGTTCAG GAAGAAAAAT CCAGGAATGG GCAGGAGAGG
-2763  AGAGGAGGAC ACAGGCTCTG TGGGGCTGCA GCCCAGGATG GGACTAAGTG TGAAGACATC
```

Fig. 2G

-2703 TCAGCAGGTG AGGCCAGGTC CCATGAACAG AGAAGCAGCT CCCACCTCCC CTGATGCACG
-2643 GACACACAGA GTGTGTGGTG CTGTGCCCCC AGAGTCGGGC TCTCCTGTTC TGGTCCCCAG
-2583 GGAGTGAGAA GTGAGGTTGA CTTGTCCCTG CTCCTCTCTG CTACCCCAAC ATTCACCTTC
-2523 TCCTCATGCC CCTCTCTCTC AAATATGATT TGGATCTATG TCCCCGCCCA AATCTCATGT
-2463 CAAATTGTAA ACCCCAATGT TGGAGGTGGG GCCTTGTGAG AAGTGATTGG ATAATGCGGG
-2403 TGGATTTTCT GCTTTGATGC TGTTTCTGTG ATAGAGATCT CACATGATCT GGTTGTTTAA
-2343 AAGTGTGTAG CACCTCTCCC CTCTCTCTCT CTCTCTCTTA CTCATGCTCT GCCATGTAAG
-2283 ACGTTCCTGT TTCCCCTTCA CCGTCCAGAA TGATTGTAAG TTTTCTGAGG CCTCCCCAGG
-2223 AGCAGAAGCC ACTATGCTTC CTGTACAACT GCAGAATGAT GAGCGAATTA AACCTCTTTT
-2163 CTTTATAAAT TACCCAGTCT CAGGTATTTC TTTATAGCAA TGCGAGGACA GACTAATACA
-2103 ATCTTCTACT CCCAGATCCC CGCACACGCT TAGCCCCAGA CATCACTGCC CCTGGGAGCA
-2043 TGCACAGCGC AGCCTCCTGC CGACAAAAGC AAAGTCACAA AAGGTGACAA AAATCTGCAT
-1983 TTGGGGACAT CTGATTGTGA AAGAGGGAGG ACAGTACACT TGTAGCCACA GAGACTGGGG
-1923 CTCACCGAGC TGAAACCTGG TAGCACTTTG GCATAACATG TGCATGACCC GTGTTCAATG
-1863 TCTAGAGATC AGTGTTGAGT AAAACAGCCT GGTCTGGGGC CGCTGCTGTC CCCACTTCCC
-1803 TCCTGTCCAC CAGAGGGCGG CAGAGTTCCT CCCACCCTGG AGCCTCCCCA GGGGCTGCTG
-1743 ACCTCCCTCA GCCGGGCCCA CAGCCCAGCA GGGTCCACCC TCACCCGGGT CACCTCGGCC
-1683 CACGTCCTCC TCGCCCTCCG AGCTCCTCAC ACGGACTCTG TCAGCTCCTC CCTGCAGCCT
-1623 ATCGGCCGCC CACCTGAGGC TTGTCGGCCG CCCACTTGAG GCCTGTCGGC TGCCCTCTGC
-1563 AGGCAGCTCC TGTCCCCTAC ACCCCCTCCT TCCCCGGGCT CAGCTGAAAG GGCGTCTCCC
-1503 AGGGCAGCTC CCTGTGATCT CCAGGACAGC TCAGTCTCTC ACAGGCTCCG ACGCCCCCTA
-1443 TGCTGTCACC TCACAGCCCT GTCATTACCA TTAACTCCTC AGTCCCATGA AGTTCACTGA
-1383 GCGCCTGTCT CCCGGTTACA GGAAAACTCT GTGACAGGGA CCACGTCTGT CCTGCTCTCT
-1323 GTGGAATCCC AGGGCCCAGC CCAGTGCCTG ACACGGAACA GATGCTCCAT AAATACTGGT
-1263 TAAATGTGTG GGAGATCTCT AAAAAGAAGC ATATCACCTC CGTGTGGCCC CCAGCAGTCA
-1203 GAGTCTGTTC CATGTGGACA CAGGGGCACT GGCACCAGCA TGGGAGGAGG CCAGCAAGTG
-1143 CCCGCGGCTG CCCCAGGAAT GAGGCCTCAA CCCCCAGAGC TTCAGAAGGG AGGACAGAGG
-1083 CCTGCAGGGA ATAGATCCTC CGGCCTGACC CTGCAGCCTA ATCCAGAGTT CAGGGTCAGC

Fig. 2H

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-1023  TCACACCACG TCGACCCTGG TCAGCATCCC TAGGGCAGTT CCAGACAAGG CCGGAGGTCT
 -963  CCTCTTGCCC TCCAGGGGGT GACATTGCAC ACAGACATCA CTCAGGAAAC GGATTCCCCT
 -903  GGACAGGAAC CTGGCTTTGC TAAGGAAGTG GAGGTGGAGC CTGGTTTCCA TCCCTTGCTC
 -843  CAACAGACCC TTCTGATCTC TCCCACATAC CTGCTCTGTT CCTTTCTGGG TCCTATGAGG
 -783  ACCCTGTTCT GCCAGGGGTC CCTGTGCAAC TCCAGACTCC CTCCTGGTAC CACCATGGGG
 -723  AAGGTGGGGT GATCACAGGA CAGTCAGCCT CGCAGAGACA GAGACCACCC AGGACTGTCA
 -663  GGGAGAACAT GGACAGGCCC TGAGCCGCAG CTCAGCCAAC AGACACGGAG AGGGAGGGTC
 -603  CCCCTGGAGC CTTCCCCAAG GACAGCAGAG CCCAGAGTCA CCCACCTCCC TCCACCACAG
 -543  TCCTCTCTTT CCAGGACACA CAAGACACCT CCCCCTCCAC ATGCAGGATC TGGGGACTCC
 -483  TGAGACCTCT GGGCCTGGGT CTCCATCCCT GGGTCAGTGG CGGGGTTGGT GGTACTGGAG
 -423  ACAGAGGGCT GGTCCCTCCC CAGCCACCAC CCAGTGAGCC TTTTTCTAGC CCCCAGAGCC
 -363  ACCTCTGTCA CCTTCCTGTT GGGCATCATC CCACCTTCCC AGAGCCCTGG AGAGCATGGG
 -303  GAGACCCGGG ACCCTGCTGG GTTTCTCTGT CACAAAGGAA AATAATCCCC CTGGTGTGAC
 -243  AGACCCAAGG ACAGAACACA GCAGAGGTCA GCACTGGGGA AGACAGGTTG TCCTCCCAGG
 -183  GGATGGGGGT CCATCCACCT TGCCGAAAAG ATTTGTCTGA GGAACTGAAA ATAGAAGGGA
 -123  AAAAAGAGGA GGGACAAAAG AGGCAGAAAT GAGAGGGGAG GGGACAGAGG ACACCTGAAT
  -63  AAAGACCACA CCCATGACCC ACGTGATGCT GAGAAGTACT CCTGCCCTAG GAAGAGACTC
   -3  AGGGCAGAGG GAGGAAGGAC AGCAGACCAG ACAGTCACAG CAGCCTTGAC AAAACGTTCC
   57  TGGAACTCAA GCTCTTCTCC ACAGAGGAGG ACAGAGCAGA CAGCAGAGAC CATGGAGTCT
  117  CCCTCGGCCC CTCCCCACAG ATGGTGCATC CCCTGGCAGA GGCTCCTGCT CACAGGTGAA
  177  GGGAGGACAA CCTGGGAGAG GGTGGGAGGA GGGAGCTGGG GTCTCCTGGG TAGGACAGGG
  237  CTGTGAGACG GACAGAGGGC TCCTGTTGGA GCCTGAATAG GGAAGAGGAC ATCAGAGAGG
  297  GACAGGAGTC ACACCAGAAA AATCAAATTG AACTGGAATT GGAAAGGGGC AGGAAAACCT
  357  CAAGAGTTCT ATTTTCCTAG TTAATTGTCA CTGGCCACTA CGTTTTTAAA AATCATAATA
  417  ACTGCATCAG ATGACACTTT AAATAAAAAC ATAACCAGGG CATGAAACAC TGTCCTCATC
  477  CGCCTACCGC GGACATTGGA AAATAAGCCC CAGGCTGTGG AGGGCCCTGG GAACCCTCAT
  537  GAACTCATCC ACAGGAATCT GCAGCCTGTC CCAGGCACTG GGGTGCAACC AAGATC
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Fig. 2I